

# High-Strength Magnetic Mounting Base

DC – 8000 MHz

Product Code: MISC-A0051

VERSION: 3.5



## PRODUCT DESCRIPTION:

The MISC-A0051 is highly robust, high-strength magnetic mounting base to allow the direct connection of antennas, such as manpack antennas, on a vehicle or other metallic surface on a temporary or permanent basis.

The product has been specifically designed for maximum magnetic coupling, even to thin sheet metal surfaces, such as found on body panels of most modern vehicles. It is also able to couple to thicker sheet metal surfaces, with a great deal of effectiveness.

The product is ideal when used in conjunction with our range of manpack antennas, e.g. the OMNI-A0140, OMNI-A0124.

## PRODUCT FEATURES:

- Small and light
- Very high gripping strength to all metal surfaces
- Low loss, rugged 4 m RG223 cable assembly

## APPLICATIONS:

- Extension of antenna cable
- Support antennas for IED suppression
- Temporary antenna deployment on vehicles, shelters

## SPECIFICATIONS:

<b>Product codes:</b>				
MISC-A0051				N-type connector
MISC-A0051-01				7/16 connector
MISC-A0051-02				7/16 connector (on base) and SMA(m) connector (on cable end)
MISC-A0051-03				N-type connector, without magnet
	MISC-A0051	MISC-A0051-01	MISC-A0051-02	MISC-A0051-03
<b>Electrical:</b>				
Frequency range	DC – 8000 MHz	DC – 2500 MHz	DC – 2500 MHz	DC – 8000 MHz
VSWR	< 1.2:1 typical	< 1.5:1 typical	< 1.5:1 typical	< 1.2:1 typical
Nominal input impedance	50 Ω	50 Ω	50 Ω	50 Ω
Connector on base	N-type female	7/16 female	7/16 female	N-type female
Connector on pigtail	N-type male	7/16 male	SMA male	N-type male
Cable type	RG223	RG233	RG233	RG223
Pigtail cable length	4 m	4 m	4 m	4 m
Power handling	See graph	See graph	See graph	See graph
<b>Mechanical:</b>				
Deployed dimensions (h x d)	75 mm x 100 mm	80 mm x 100 mm	80 mm x 100 mm	75 mm x 100 mm
Colour	Upon request	Upon request	Upon request	Upon request
Total mass	1.3 kg	1.4 kg	1.3 kg	1 kg
Typical bending moment required to detach on thin sheet steel surfaces	20 Nm	20 Nm	20 Nm	N/A

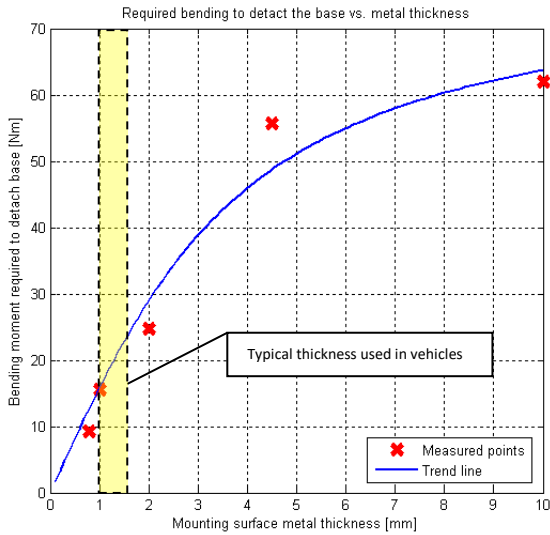
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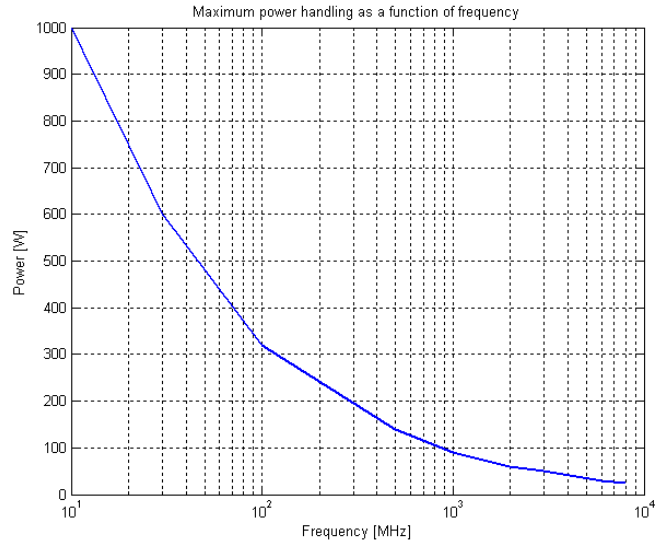
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## MAGNETIC COUPLING STRENGTH:



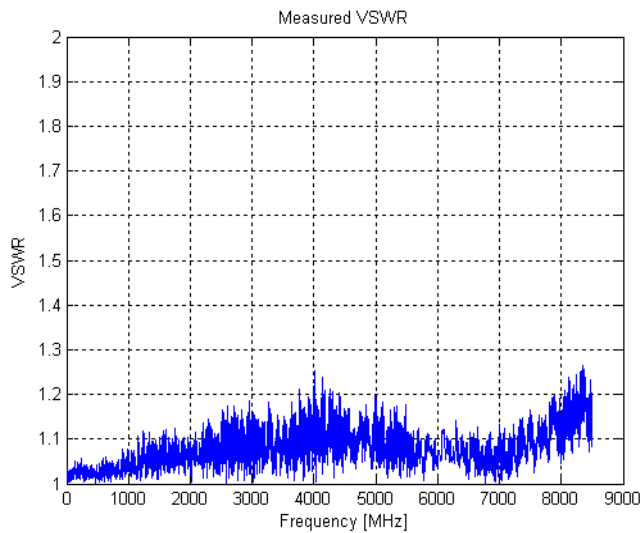
## RF POWER HANDLING\*:



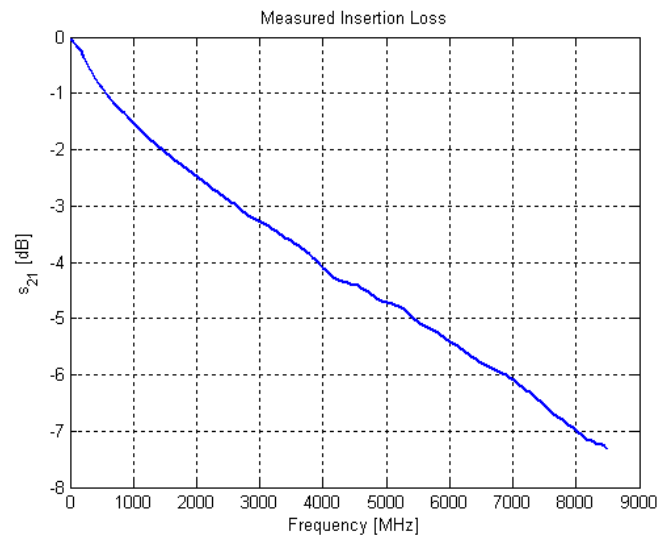
\* NOTE: Power handling assumes perfectly well matched antenna.∅

## ELECTRIC PERFORMANCE:

### VSWR:



### INSERTION LOSS (incl. 4 m lead):



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Photos of typical deployment:



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